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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-11-29 **Date: 18/06/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 06-06-2019

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 14 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 18/06/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	04/06/2019	18/06/2019	151.47 X 149.32 X 151.69	22618	**8.699**	425.2	18.8	21.2
2	Drain Bottom Slab Concrete	M20	04/06/2019	18/06/2019	149.70 X 151.09 X 149.29	22618	**8.400**	427.4	18.9	
3	Drain Bottom Slab Concrete	M20	04/06/2019	18/06/2019	149.55 X 149.09 X 150.74	22297	**8.577**	407.3	18.3	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 90 days from the date of issue of test certificate

AE(L)

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-11-29 **Date: 02/07/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 06-06-2019

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	04/06/2019	02/07/2019	149.07 X 150.85 X 151.86	22486	**8.088**	524.3	23.3	23.3
2	Drain Bottom Slab Concrete	M20	04/06/2019	02/07/2019	149.44 X 152.00 X 149.84	22715	**8.127**	514.6	22.7	
3	Drain Bottom Slab Concrete	M20	04/06/2019	02/07/2019	149.85 X 149.31 X 151.10	22375	**8.923**	535.1	23.9	

Note:

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AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
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Quality Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/06/2019

Lab ID	:	**CP-2019-09-11-29**
Customer	:	Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.
Address	:	Project Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.
Agency	:	Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/24/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-06-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/06/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	150.69 X 149.01 X 151.36	22455	**8.630**	417.1	18.6	18.7
2	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	151.66 X 149.23 X 149.38	22632	**8.692**	423.1	18.7	
3	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	151.71 X 149.48 X 150.15	22678	**8.570**	423.9	18.7	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-09-11-29** **Date: 24/06/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-06-2019

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 14 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/06/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	150.25 X 151.16 X 151.44	22712	**8.699**	409.3	18.0	20.9
2	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	149.16 X 149.38 X 150.19	22281	**8.400**	421.9	18.9	
3	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	151.72 X 150.47 X 150.64	22830	**8.577**	421.1	18.4	

Note:

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-11-29 **Date: 08/07/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-06-2019

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	151.55 X 149.18 X 151.18	22608	**8.088**	537.8	23.8	23.4
2	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	149.85 X 149.31 X 151.78	22374	**8.127**	507.7	22.7	
3	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	149.74 X 149.82 X 151.38	22434	**8.923**	531.1	23.7	

Note:

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Quality Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/06/2019

Lab ID	:	**CP-2019-09-11-29**
Customer	:	Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.
Address	:	Project Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.
Agency	:	Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/24/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-06-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/06/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	151.63 X 151.84 X 150.19	23023	**8.630**	432.9	18.8	18.7
2	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	151.19 X 151.58 X 151.92	22918	**8.692**	422.6	18.4	
3	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	149.22 X 151.22 X 149.86	22566	**8.570**	424.8	18.8	

Note:
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Bangalore

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-09-11-29** **Date: 24/06/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-06-2019

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 14 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/06/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	150.93 X 151.47 X 151.50	22861	**8.699**	414.1	18.1	21.3
2	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	151.64 X 150.85 X 149.09	22875	**8.400**	413.3	18.1	
3	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	151.50 X 151.81 X 149.06	22999	**8.577**	428.3	18.6	

Note:

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Project Division
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Page 1/1

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Authorized Signatory
Quality Manager

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-09-11-29** **Date: 08/07/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-06-2019

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 08/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	149.17 X 150.57 X 149.48	22460	**8.088**	522.5	23.3	23.3
2	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	150.88 X 149.99 X 149.34	22629	**8.127**	514.1	22.7	
3	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	150.30 X 150.17 X 151.44	22571	**8.923**	539.9	23.9	

Note:
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Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-09-11-29** **Date: 17/06/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-06-2019

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/06/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	151.09 X 150.16 X 149.37	22688	**8.630**	409.5	18.0	18.6
2	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	149.97 X 149.08 X 150.69	22357	**8.692**	422.4	18.9	
3	Drain Side Wall Concrete	M20	10/06/2019	17/06/2019	149.08 X 151.84 X 149.72	22636	**8.570**	423.6	18.7	

Note:
The results pertain to the samples received and tested.
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Project Division
Yelahanka Zone
Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

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Format No: CP/1F/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-09-11-29** **Date: 24/06/2019**

Customer : Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.

Address : Project Sub Division, BBMP, Bangalore.

Project Name : Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.

Agency : Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.

Customer's Reference : EE(Project)/Ynk Zone/WO/24/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 12-06-2019

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 14 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/06/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	150.91 X 149.13 X 151.57	22505	**8.699**	423.5	18.8	22.0
2	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	151.14 X 150.44 X 149.45	22737	**8.400**	423.5	18.6	
3	Drain Side Wall Concrete	M20	10/06/2019	24/06/2019	149.24 X 150.08 X 149.22	22398	**8.577**	420.3	18.8	

Note:

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 08/07/2019

Lab ID	:	**CP-2019-09-11-29**
Customer	:	Assistant Executive Engineer,Project Sub Division, BBMP, Bangalore.
Address	:	Project Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to Drains of Roads Next to Ayyappa Temple of Jakkur Layout in Ward No.07 and Improvements to Drains of Cross Roads of Jakkur Layout in Ward No.07, Byatarayanapura.
Agency	:	Sri.Ramesh U, #171, 8th Cross CIL Layout, Near Narayana School, Cholonayakanahalli, RT Nagar Post, Bangalore-32.
Customer's Reference	:	EE(Project)/Ynk Zone/WO/24/19-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-06-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	08/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	151.24 X 151.80 X 151.46	22959	**8.088**	540.4	23.5	23.4
2	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	151.00 X 150.81 X 150.54	22773	**8.127**	520.2	22.8	
3	Drain Side Wall Concrete	M20	10/06/2019	08/07/2019	149.44 X 150.21 X 150.31	22447	**8.923**	534.6	23.8	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 90 days from the date of issue of test certificate

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

CIVIL PRO Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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